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[54] CONGESTION CONTROL METHOD, TERMINAL ADAPTER USING THE METHOD AND COMMUNICATIONS SYSTEM USING THE TERMINAL ADAPTER

[75] Inventor: Hiroyuki Hatta, Kawasaki, Japan

[73] Assignee: Fujitsu Limited, Kanagawa, Japan

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[56]

References Cited

U.S. PATENT DOCUMENTS

5,390,173 2/1995 Spinney 370/94.1 X

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[57] ABSTRACT

In a congestion control method adapted to a communications system having a network, a terminal and a terminal adapter which is provided between the network and the terminal and interchanges a first frame format handled by the network and a second frame format handled by the terminal, the terminal adapter receives a signal sent in the first frame format via the network and detects whether or not the signal includes congestion notification information indicating occurrence of a congestion in the communications system. The terminal adapter then sends a signal in the second frame format including first notification information to the terminal. The terminal adapter then performs a predetermined control process for recovery from the congestion when the terminal receives the signal in the second frame format.

16 Claims, 11 Drawing Sheets

